

1. A network interface unit for communicating data packets over a non-secure network between client devices on a local area network (LAN) and an access node for a secure virtual private network (VPN) comprising

means for authenticating at least one of said client devices seeking to access said
5 VPN, thereby establishing at least one authenticated client device,

a configuration server for sending configuration information to said at least one authenticated client device,

a GUI server for presenting at least one menu to at least selected authenticated client devices,

10 means for receiving at least a first message reflecting selections from said at least one menu, and

means for accessing said non-secure network using information in said at least a first message, and

15 a security server for establishing a secure connection over said non-secure network between said LAN and said access node.

2. The network interface unit of claim 1 wherein said configuration server comprises

a memory for storing configuration information for at least one client device, and

means for retrieving configuration information for at least selected ones of said

20 client devices from said memory upon subsequent authentication of said at least one client device.

3. The network interface unit of claim 2 wherein said configuration information for each authenticated client device comprises information received on behalf of each of said client devices upon an initial authenticating of respective ones of 25 said client devices.

4. The network interface unit of claim 3 wherein at least one of said client devices is a computer, and wherein said information received on behalf of a client device is received from one of said computers.

5. The network interface unit of claim 4 wherein said information received 30 on behalf of a first computer is received from said first computer.

6. The network interface unit of claim 1 wherein said configuration information for each authenticated client comprises information related to connections to said non-secure network.

7. The network interface unit of claim 6 wherein said information related to 5 connections to said non-secure network comprises information relating to at least one dial-up connection.

8. The network interface unit of claim 7 wherein said information related to at least one dial-up connection comprises information relating to at least one customized dial-up connection, said information relating to each of said customized dial-up 10 connections comprising a customized dial-up string of characters to control a dial-up modem connection to said non-secure network.

8. The network interface unit of claim 7 wherein said information related to at least one dial-up connection comprises information relating to at least one customized dial-up connection, said information relating to each of said customized dial-up 15 connections comprising a customized dial-up string of characters to control a dial-up modem connection to said non-secure network.

9. The network interface unit of claim 6 wherein said information related to connections to said non-secure network comprises information relating to at least one connection having a fixed IP address.

20 10. The network interface unit of claim 6 wherein said information related to connections to said non-secure network comprises information relating to at least one connection having a temporary IP address.

11. The network interface unit of claim 10 further comprising a DHCP server for providing said temporary IP address.

25 12. The network interface unit of claim 10 further comprising a DHCP client for obtaining a temporary IP address from said non-secure network and providing said temporary IP address for use in said connection.

13. The network interface unit of claim 6 wherein said information related to connections to said non-secure network comprises information relating to at least one 30 point-to-point over Ethernet (PPPoE) connection.

14. The network interface unit of claim 2 wherein said memory comprises a removable memory module.

15. The network interface unit of claim 14 wherein said removable memory module stores additional information comprising web pages for presentation by said GUI
5 server.

16. The network interface unit of claim 1 wherein said means for authenticating comprises means for comparing client ID and password information received from a client device with information stored at said network interface unit.

17. A network interface unit for communicating data packets over a non-
10 secure network between client devices on at least one local area network (LAN) and at least one access node of a secure virtual private network (VPN) comprising

means for receiving data packets from said client devices by way of said LANs,
means for multiplexing said data packets into at least one packet data stream,
a security server for modifying said packet data streams in accordance with a
15 secure communications protocol by encrypting packets in said data streams and encapsulating resulting encrypted packets,

a DNS server for providing network destination address information for at least selected ones of said data streams.

18. The network interface unit of claim 17 wherein said security server
20 comprises an IPsec server.

19. The network interface unit of claim 17 further comprising
means for receiving at least one stream of data packets from said non-secure network,

25 said security server further comprising a firewall for filtering out packets in said streams of received packets that are not from said VPN network,

said security server further comprising means for modifying said packets in said at least one stream by decrypting said packets in said at least one received data stream and decapsulating resulting decrypted packets,

30 means for demultiplexing said at least one stream of received data packets to form at least one demultiplexed stream of data packets for delivery to said at least one LAN.

20. The network interface unit of claim 19 further comprising means for authenticating client devices on said at least one LAN, and wherein packets from authenticated client devices on said at least one LAN that are received at said network interface device are processed as packets received from said VPN.